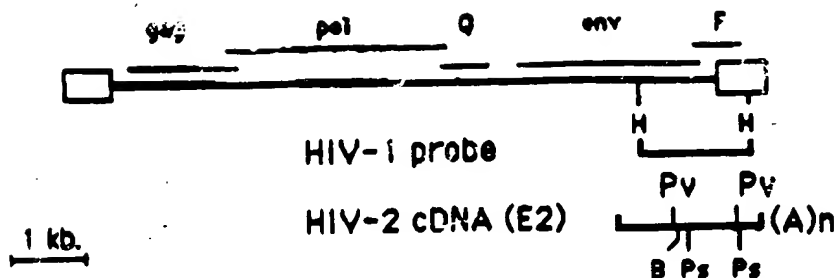


A



jc971 U.S. PTO
09/986634



B

HIV.2 AGTAACTAACAGAA-----ACAGCTGAGACTGC---AGGGACTTTCCAGAAGGGGCTG
:
HIV.1 ACT-ACTTCAAGAACTGCTGACATC-GAGCTTGCTACAAGGGACTTTGGGTGGGGACTT
9000 9010 9020 9030 9040

```

HIV.2  TAACGA-----GGGAGGGACATGGGAG---GAGCTGGTGGGGAACGCCTC
          ::      ::      ::      ::      ::      ::
HIV.1  T-----CCAGGGAGGGCGTGGCCTGGGCGGGACTGGGGAGTGGCGAGC-----CCTC
          9650      9660      9670      9680      9690

```

HIV.2 ATATTGTGTAATAATATACCCGCTGCTTGCATTGTACTTCAGTCGCTCTGCCGAGAGG
:
HIV.1 AGATG--CTGCATAAAGCAGCTGCTTTTGCC-TGTACTGG-GTCTCTCTGTTAGAC-
9100 9110 9120 9130 9140

U3 1A

```
HIV.2      CTGGCAGATTGAGCCCTGGGAGGTTCCTCCAGCACTAGCAGGTAGAGCCTGGGTCTCCC  
           : : : : :   : : : : :   : : : :   : : : :   :  
HIV.1      ---CAGATTTGAGCCTGGGAGC-TCTCTGGCTAACTAGGGAACCCAC-----  
          9150       9160       9170       9180       9190
```

```

HIV.2      TGCTAGACTCTCACCAGCACTTGGCCGGTGCTGGGCAGACGGGCCACGCTTGCTTTGCTT
              ::::
HIV.1      -----TGCTT

```

HIV.2 AAAAAGCTGCTTAAATAAAGCT-GCC---AGTAGAAGCA
 :: :: :: ::
HIV.1 AAG-----CCTGAATAAAGCTTGCTTGAGTGCTTCAA

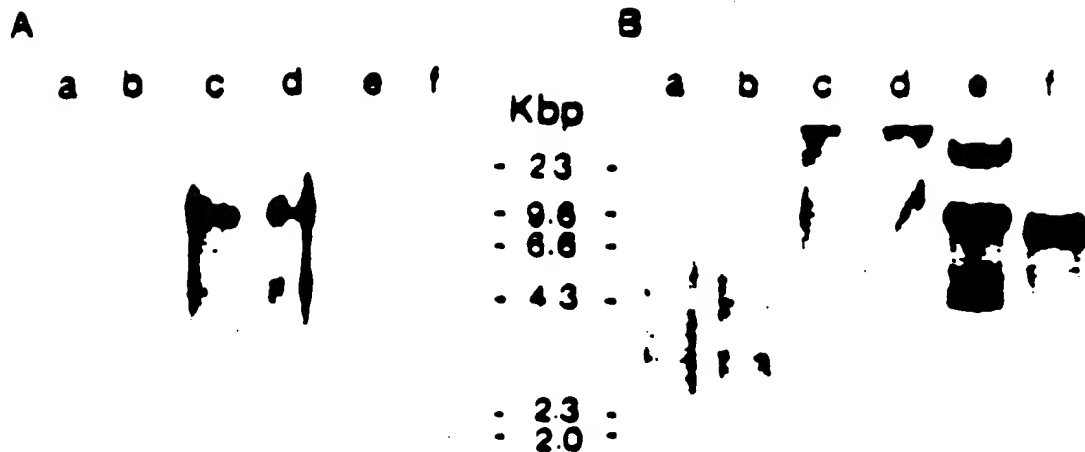
9210 9220

Hind III

R

SCANNED, # 20

Fig 2



1 2 3 4 5 6

C



1 2 3 4 5 6

D



SCANNED # 22

SCANNED # 70

2

Fig. 3

HIV-2 probe

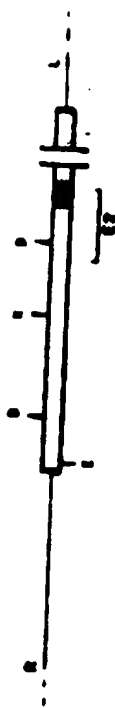
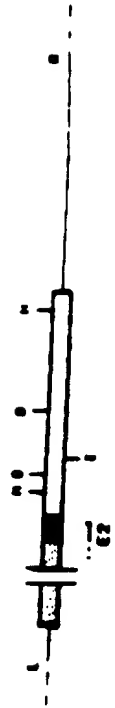
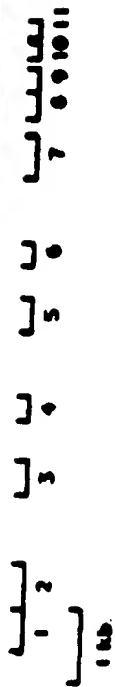
	1	2	3	4	5	6	7	8	9	10	11	12
En-42
En-20
En-3

ROD 27

ROD 35

HIV-1 probe

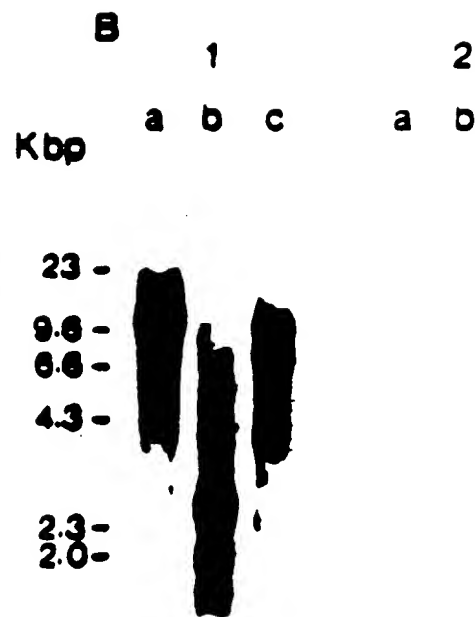
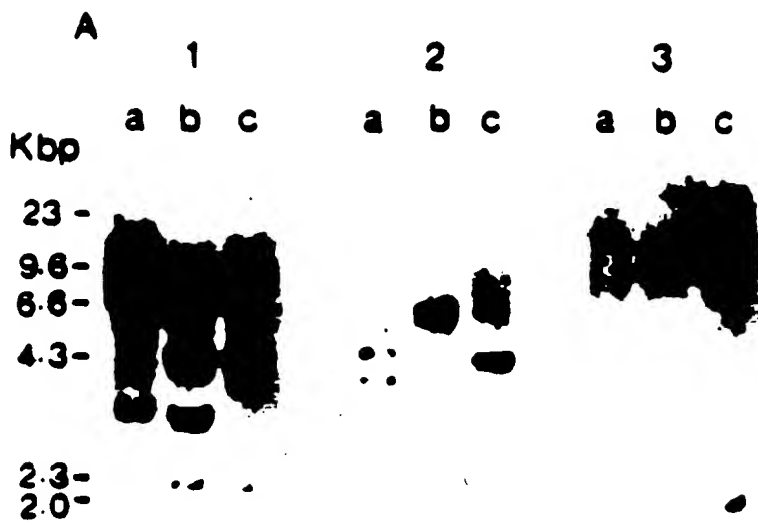
En-3
------	---	---	---	---	---	---	---	---	---	---	---	---



ROD 4



Fig. 4



HIV-2 RNA



No sites in pSfEZ insert for: $AccI/AvaiI/BclI/BspI/ClaI/EcoRI/HaeIII/HindIII/KpnI/NdeI/NruI/PvuI/SacI/SmaI/XbaI$

FIG. 1A

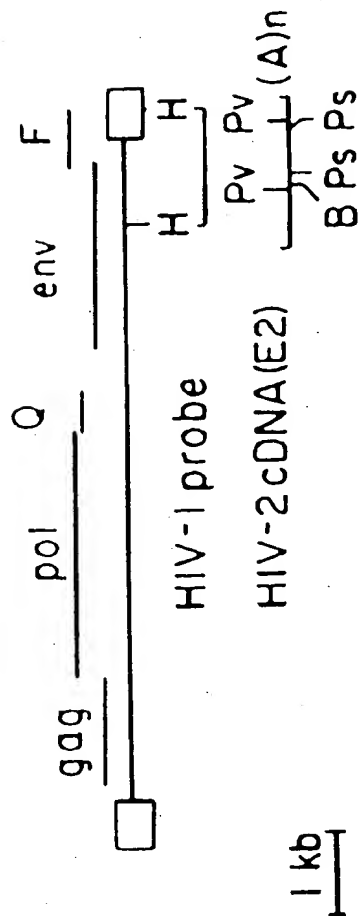


FIG. 1B

	PvuI	PstI
HIV.2	AGTA ¹ ACTAACAGAA-----ACAGCTGAGACTGC-----AGGGACTTTCAGAGGGGCTG	
HIV.1	AGT- ¹ ACTTCAAGAACTGCTGACATC- ¹ GAGCTTGTCTACAAGGGACTTTC ¹ CGCTGGGGACTT	
	9000 9010 9020 9030 9040	
HIV.2	TAACCAA-----GGGAGGGACATGGGAG-----GAGCTGGTGGGGAACGCCCTC	
HIV.1	T- ¹ CCAGGGAGGCGTGGCCTGGGCGGGACTGGGGAGTGGCGAGC-----CCTC	
	9050 9060 9070 9080 9090	
HIV.2	ATATTCTCTGTATAAATATACCCGCTGCTTGCAATTGTACTTCAGTCGCTCTGCGGAGAGG	
HIV.1	AGATG-- ¹ CTGCATATAAGCAGCTGCTTTTGGCC- ¹ TGTACTGG-GTCTCTCTGTTAGAC-	
	9100 9110 9120 9130 9140	
	U3 R	
HIV.2	CTGGCAGATTGAGCCCTGGGAGGTTCTCTCCAGCACTAGCAGGTAGAGCCTGGGTGTCCTC	
HIV.1	---- ¹ CAGATTTGAGCCTGGGAGC-TCTCTGGCTAACTAGGGAACCCAC-----	
	9150 9160 9170 9180 9190	
HIV.2	TGCTAGACTCTCACCAGCACTTGGCCGGTGCTGGGCAGACGGCCCCACGCTTGCTTGCTT	
HIV.1	-----TGCTT	
HIV.2	AAAAACCTCCTTAATAAAGCT-GCC---AGTAGAAGCA	
HIV.1	AAG-----CCTCAATAAAGCTTGCCTTGAGTGCTTCAA	
	9210 9220	
	Hind III	
	R	

BEST AVAILABLE COPY

FOOT" 4E998660

FIG. 2A **FIG. 2B**

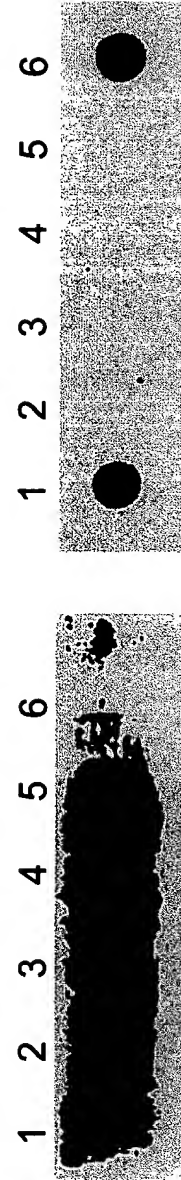
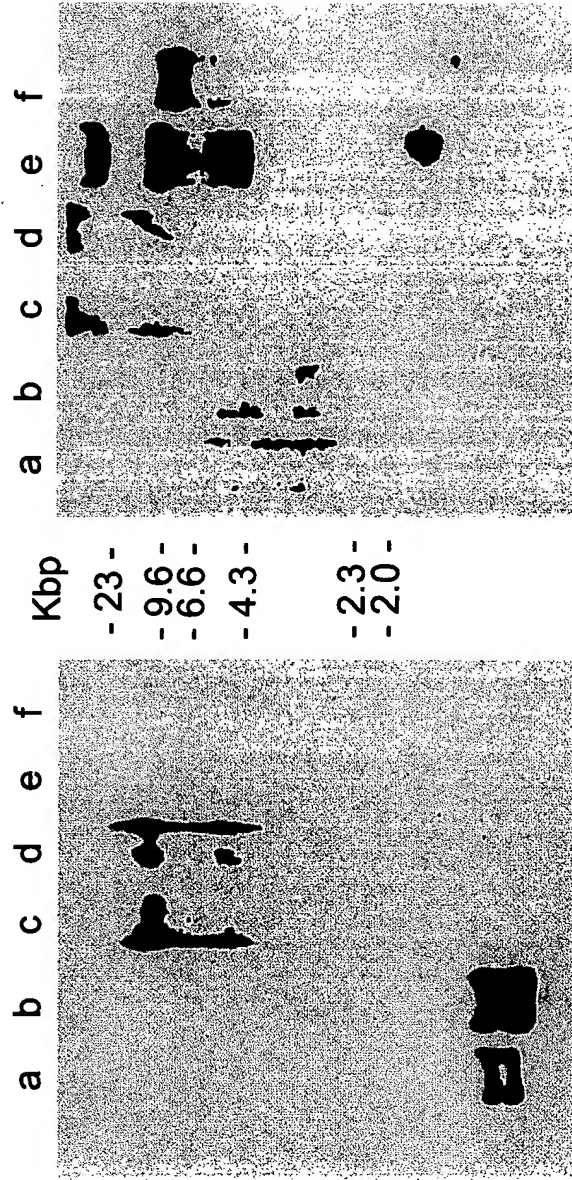
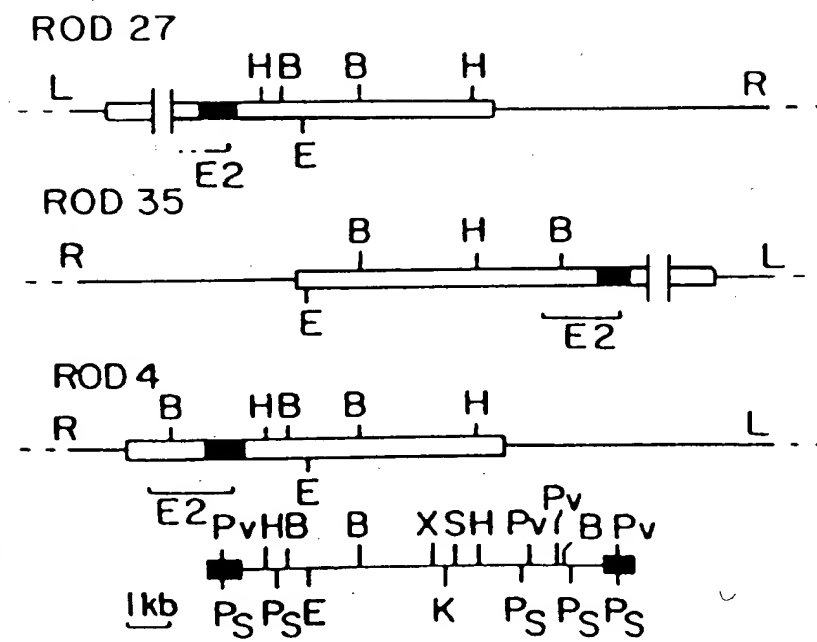


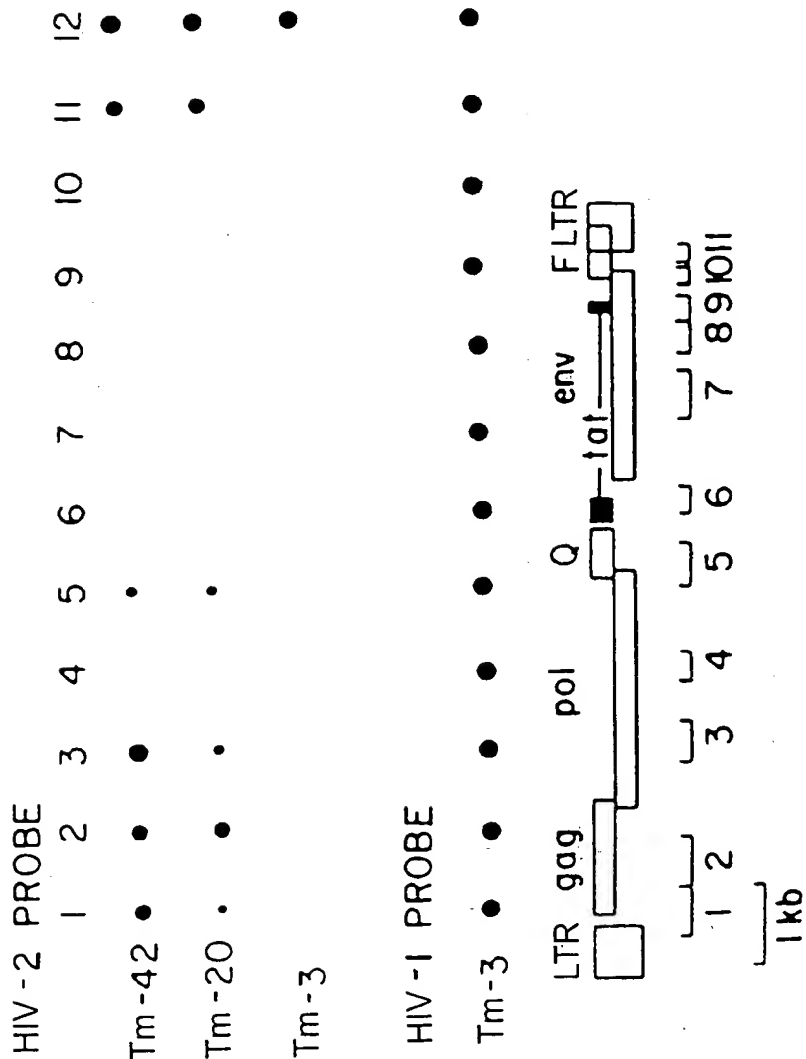
FIG. 2C **FIG. 2D**

FIG. 3A



09586634-110901

FIG. 3B



BEST AVAILABLE COPY

FOOT" 4C998660

FIG. 4B

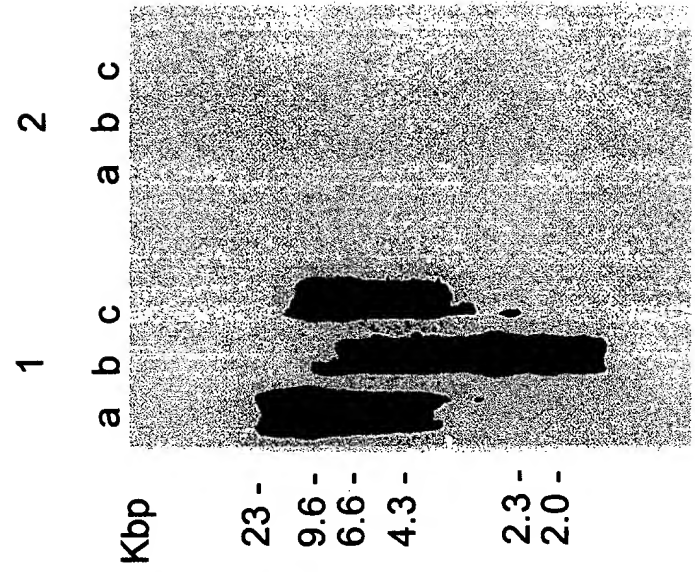


FIG. 4A

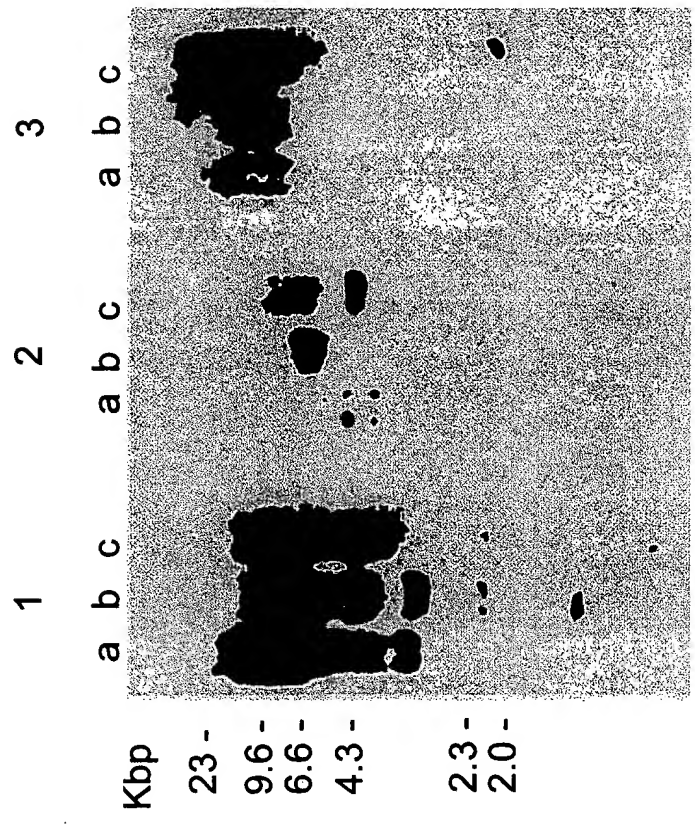
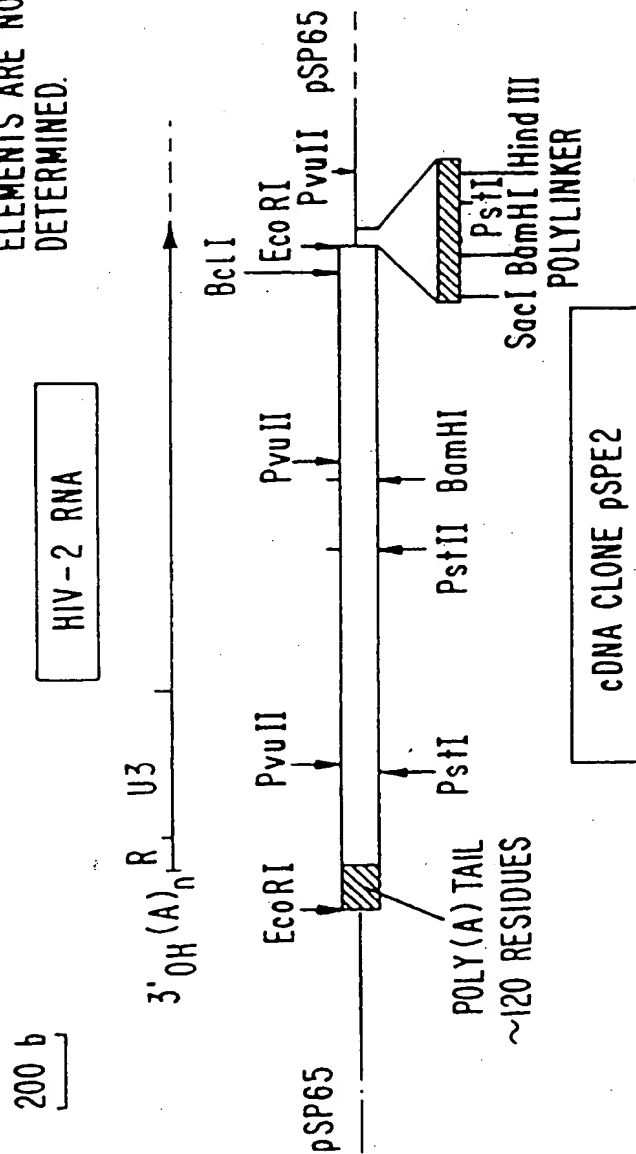


FIG. 5

THE BOUNDARIES OF R AND U3
ELEMENTS ARE NOT PRECISELY
DETERMINED.



NO SITES IN pSPE2 INSERT FOR: AccI/AvaI/BclI/BglII/ClaI/EcoRI

HincII/HindIII/KpnI/NdeI/NruI/PvuI/

SacI/SmaI/SalI/XbaI